

**CLAIMS**

1. - Hair coloring system (1) comprising :

i) at least one container (102) holding a coloring composition forming or intended to form a hair coloring product ; and

5        ii) at least one test device (20) designed to perform a test and incorporating a tube (21) delimiting an internal space containing at least one hair colorant of said coloring composition, the tube incorporating an outlet aperture (29), the test device (20) being arranged in a manner such that the contents of the tube are expelled from said outlet aperture in response to  
10 excess pressure within the internal space of the tube or when the latter is vented via at least one passage (22) separate from the outlet aperture (29).

2. - System according to claim 1, characterized in that a liquid or solid plug (24) is arranged inside the tube (21), said plug serving to isolate the  
15 ~~outlet aperture (29) from the internal space of the tube (21), the plug being~~ arranged to discharge together with the contents of the tube via the outlet aperture (29) when the internal space of the tube is vented or in response to excess pressure inside the latter.

3. - System (1) according to claim 1 or 2, characterized in that the volume contained in the tube (21) is between 0.01 ml and 5 ml, preferably  
20 0.05 ml and 1 ml.

4. - System (1) according to any one of claims 1 to 3, characterized in that venting of the internal space of the tube (21) is effected via an element (22) that can be severed, detached, perforated or deformed, and which is located opposite the outlet aperture.

5. - System (1) according to claim 4, characterized in that the test device (20) incorporates an element to hold the breakable element (22) on the tube after it has been severed, in particular in the form of a tab of residual material or a piece of cotton.

5 6. - System (1) according to claim 2, characterized in that the tube (21) is fitted with an applicator element (23), this applicator element being separated from the contents of tube prior to use by the plug of liquid or powder (24).

10 7. - System (1) according to claim 6, characterized in that the applicator element is selected from the group of items comprising: a cotton tip (23), a brush, a foam tip, a felt pad, a flock tip, or an end-piece made of ceramic or sintered material.

15 8. - System (1) according to claim 2 or according to any one of the foregoing claims dependent thereon, characterized in that the plug includes a liquid, and in that the latter is selected from the group of materials comprising : mineral oils, fluorinated products, and silicones.

20 9. - System (1) according to claim 2 or according to any one of claims 3 to 7 dependent thereon, characterized in that the plug (24) includes a solid, in particular a powder, and in that the latter is selected from the group comprising: microsphere powders of copolymers, Nylon®, waxes, silicas, and silicones.

10. - System (1) according to any one of claims 1 to 9, characterized in that the coloring composition is an oxidation coloring composition containing at least one oxidation colorant.

25 11. - System according to claim 10, characterized in that it additionally includes a container (101) holding an oxidizing composition to be mixed with said coloring composition in order to obtain said hair coloring product.

12. - System (1) according to any one of claims 1 to 9, characterized in that said coloring composition is a direct coloring composition containing at least one direct colorant.

13. - System according to any one of claims 10 to 12, characterized in  
5 that said coloring composition contains at least one hair colorant and at least one compound chosen from surfactants and solvents other than water.

14. - Test device (20) capable of being used in a hair coloring system (1) according to any one of claims 1 to 13, the device including a tube (21) delimiting an internal space containing :

10 i) either at least one direct colorant,

ii) or at least one hair colorant and at least one compound chosen from solvents and surfactants,

iii) or at least one oxidation base and/or at least one coupling agent,

15 the tube having an outlet aperture (29), the device being arranged so that the contents of the tube are expelled via said outlet aperture of said tube when the latter is vented via at least one passage (22) separate from the outlet aperture (29).

20 15. - Device according to claim 14, characterized in that a liquid or solid plug (24) is arranged inside the tube (21), said plug serving to isolate the outlet aperture (29) from the internal space of the tube (21), the plug being arranged to discharge together with the contents of the tube via the outlet aperture (29) when the internal space of the tube is vented.

16. - Use of a test device (20) including a tube (21) delimiting an internal space containing :

i) either at least one direct colorant,

ii) or at least one hair colorant and at least one compound chosen from solvents and surfactants,

iii) or at least one oxidation base and/or at least one coupling agent,

5       the tube having an outlet aperture (29), the device being arranged so that the contents of the tube are expelled via said outlet aperture in response to excess pressure in the internal space of the tube, or when the latter is vented via at least one passage (22) separate from the outlet aperture (29),

10       for testing the sensitivity of a subject, prior to a hair treatment with a hair coloring product.

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